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Agency Secretary  
Cal/EPA



## Department of Toxic Substances Control

5796 Corporate Avenue  
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Arnold Schwarzenegger  
Governor

April 20, 2005

Mr. F. Andrew Piszkin  
BRAC Environmental Coordinator  
Base Realignment and Closure  
Marine Corps Air Station El Toro  
7040 Trabuco Road  
Irvine, California 92618

### SUMMARY REPORT FOR AERIAL PHOTOGRAPH ANOMALY (APHO) 38/OIL WATER SEPARATOR (OWS) 832, FORMER MARINE CORPS AIR STATION (MCAS) EL TORO

Dear Mr. Piszkin:

The Department of Toxic Substances Control (DTSC) has reviewed the subject document dated December 19, 2003. The summary report presents the results of the geophysical survey and soil vapor survey of APHO 38 (also referenced as Science Applications International Corporation (SAIC) 252) which included OWS 832. The unit is adjacent to Building 1789, northeast of the intersection of El Toro Boulevard, N 2<sup>nd</sup> Street, and East Marine Way in the southeastern quadrant of the base.

APHO 38 was used for training on decontamination of motor vehicles. The liquid wastes were discharged to large shotcrete and concrete lined impoundments and eventually discharged to the sanitary sewer system. During the geophysical survey for APHO 38 in February 2003, two buried manhole covers were discovered. Upon further inspections, these two manholes were determined to be part of an oil water separator used to treat discharge water from the lined impoundments before discharge into the sanitary sewer system.

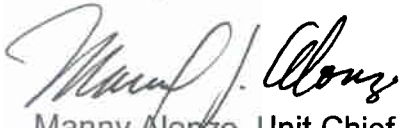
After the discovery of the OWS 832, sampling strategy for APHO 38 was modified to soil vapor and soil sampling below and around the OWS. In addition, two grab samples were taken from inside the OWS and analyzed for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH) as gasoline, TPH as diesel, metals, pH, and ignitability. Results of the analysis indicated that the grab samples were non-hazardous water. A total of 34 soil samples including two surface soil samples were taken from twelve locations. These samples were analyzed for VOCs, semi-VOCs, TPH as

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gasoline, TPH as diesel, and metals. Twenty one soil vapor samples were analyzed for VOCs. The results from the site assessment report shows the net carcinogenic risk is less than  $1 \times 10^{-6}$  for the residential uses. The geophysical survey indicated that no material was buried beneath the concrete impoundments.

Based on the results of the geophysical, soil, soil gas surveys and grab samples, DTSC concurs with the no further action status designation for OWS 832 pending regulatory concurrence with the results and conclusions of the radiological assessment and recommendation for unrestricted radiological release. If you have any questions, please contact Mr. Frank Cheng, Remedial Project Manager, at (714) 484-5395.

Sincerely,



Manny Alonzo, Unit Chief  
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